

## ABSTRACT

A demodulation method includes: a coset estimation step for estimating a low-order information bit based on a log-likelihood ratio of the low-order information bit and estimating a parity bit based on a log-likelihood ratio of the parity bit, so as to estimate a coset based on the low-order information bit and the parity bit; and a high-order information bit estimation step for estimating a transmitted signal point based on the coset so as to estimate a high-order information bit based on the transmitted signal point.

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